

MATERIAL SAFETY DATA SHEET

NFPA RATING: Health = 0 Flammability = 0 Reactivity = 0
HMIS RATING: Health = / 0 Flammability = 0 Reactivity = 0

SECTION I -- IDENTITY AND MANUFACTURER'S INFORMATION (484N-37A)**Manufacturer's Name:** HILLYARD INDUSTRIES**Product Name:** RTU WINDOW CLEANER**Address:** 302 North Fourth Street**Date Prepared:** March 31, 1999

St. Joseph, MO 64501

Prepared by: Regulatory Affairs Department**Emergency Telephone No.:** (800) 424-9300 (Only in the event of chemical emergency involving a spill, leak, fire, exposure or accident involving chemicals.)**Other information calls:** (816) 233-1321 (Ext. 8285)<http://www.hillyard.com>**SECTION II -- INGREDIENTS/IDENTITY INFORMATION****Components****(Specific Chemical Identity:**

| Common Name(s) | CAS# | OSHA PEL | ACGIH TLV | OTHER LIMITS RECOMMENDED | % |
|---------------------------------|------------|-----------------|-----------------|-----------------------------|-----|
| Water | 7732-18-5 | none | none | N/A | --- |
| Ammonium Myristyl Ether Sulfate | 27731-61-9 | not established | not established | N/A | --- |
| VOC = 1.5% | | | | | |

SECTION III -- PHYSICAL / CHEMICAL CHARACTERISTICS

Boiling Point: 206°F **Specific Gravity (H₂O = 1):** 25°C = 0.99 & 39°C = 0.99
Vapor Pressure (mm Hg.): 17.5 **Percent Volatile by Volume (%):** 99.9
Vapor Density (AIR = 1): 0.6 **Evaporation Rate (ethyl ether = 1):** slower than 1
Solubility in Water: Complete **Appearance and Odor:** Clear, violet liquid; mild solvent odor
pH (concentrate) = 8.8

SECTION IV -- FIRE AND EXPLOSION HAZARD DATA

Flash point: none (T.C.C.) **Flammable Limits:** LEL = 1.1% UEL = N/A (mixture)
Extinguishing Media: Alcohol foam, dry chemical, carbon dioxide
Special Fire Fighting Procedures: Water spray may be ineffective, but may be used to cool closed containers.
Unusual Fire and Explosion Hazards: None known to manufacturer

SECTION V -- PHYSICAL HAZARDS

Stability: Stable **Conditions to Avoid:** Heat, sparks and open flame
Incompatibility (Materials to Avoid): Strong oxidizing materials
Hazardous Decomposition Products or Byproducts: As with any organic material, combustion will produce carbon dioxide and probably carbon monoxide.
Hazardous Polymerization: Will not occur **Conditions to Avoid:** None known

SECTION VI -- HEALTH HAZARD DATA**Routes of entry:** Inhalation? Yes Skin? Yes Ingestion? Yes**HEALTH HAZARDS (1. Acute and 2. Chronic)**

- When tested not a primary skin nor eye irritant. Acute toxicity is greater than 5 gm./kg. Not acutely toxic when administered at a nominal concentration of 83.1 mg./L. (actual concentration of 26.1 mg./L.).
- None known to Hillyard.

Chemical listed as Carcinogen or Potential Carcinogen:**National Toxicology Program =** No **I.A.R.C. Monographs =** No **OSHA =** No

This product has no carcinogens listed by IARC, NTP, NIOSH, or ACGIH as of this date, greater than or equal to 0.1%.

SECTION VI -- HEALTH HAZARD DATA continued

Signs and Symptoms of Exposure: Extreme overexposure may cause drowsiness, headache and uncoordination.

Medical Conditions Generally Aggravated by Exposure: None known by manufacturer.

Emergency and First Aid Procedures: Eye and skin contact: Flush with plenty of water for 15 minutes.

SECTION VII -- PRECAUTIONS FOR SAFE HANDLING AND USE

Steps To Be Taken In Case Material Is Released Or Spilled: Absorb large spills with floor dry material. Small spills: Flush with water and pick up with mop.

Waste Disposal Method: Dispose of in accordance with state and local regulations. Do not dispose of in storm drains or streams.

Precautions To Be Taken In Handling And Storing: Keep container closed when not in use. Since empty packages retain product residue, follow label warnings even after packages is empty.

Other Precautions: Do not take internally.

SECTION VIII -- CONTROL MEASURES

Respiratory Protection (Specify Type): Ventilation: Recommend at least 5 CFM

Local Exhaust = N/A **Mechanical (General) =** Recommended **Special =** N/A **Other =** N/A

Protective Gloves: N/A **Eye Protection:** N/A

Other Protective Clothing or Equipment: N/A

Work / Hygienic Practices: Wash thoroughly after handling

SECTION IX - TRANSPORTATION INFORMATION

Applicable regulations: no 49 CFR; yes, IMCO; yes, IATA.

Proper shipping name: Cleaning Compound

UN No.: not applicable for highway **Limited Qty.:** not applicable **Hazard Class =** not applicable

Labels required: not required for highway **DOT Exception:** not applicable

EPA Hazardous waste characteristics:

Ignitability = not applicable; **Corrosivity =** not applicable; **Reactivity =** not applicable.

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